



SEQUENCE LISTING

<110> Guenther, Catherine

<120> Transgenic mice containing RORgamma gene
disruptions

<130> R-409

<140> US 09/895,840

<141> 2001-06-28

<150> US 60/215,466

<151> 2000-06-29

<150> US 60/221,667

<151> 2000-07-27

<160> 4

<170> FastSEQ for Windows Version 4.0

<210> 1

<211> 2066

<212> DNA

<213> Mus musculus

<220>

<221> misc_feature

<222> 1527

<223> n = A,T,C or G

<400> 1

```
ggaggggcagc aaggacggca ccaaggggagc taccatcatgg acagggcccc acagagacac 60
caccggacat ctggggagct gctggctgca aagaagaccc acacctcaca aattgaagtg 120
atcccttgca agatctgtgg ggacaagtca tctgggatcc actacgggggt tatcacctgt 180
gaggggtgca agggcttctt ccgcccgcagc cagcagtgta atgtggccta ctccctgcacg 240
cgtcagcaga actgccccat tgaccgaacc agccgcaacc gatgccagca ttgccgcctg 300
cagaagtgcc tggctctggg catgtcccga gatgtgtca agtttggccg aatgtccaag 360
aagcagaggg acagtctaca tgcagaagtg cagaaacaac tgcaacagca gcagcaacag 420
gaacaagtgg ccaagactcc tccagctggg agccgcggag cagacacact tacatacact 480
ttagggctct cagatgggca gctaccactg gggcctcac ctgacctacc cgaggcctct 540
gcttgctccc ctggcctcct gagagcctca ggctctggcc caccatattc caataccttg 600
gccaaaacag aggtccaggg ggcctcctgc cacttgagt atagtccaga acgaggcaaa 660
gctgaaggca gagacagcat ctatagcact gacggccaac ttactcttgg aagatgtgga 720
cttcgttttg aggaaaccag gcatacctgaa cttgggggaa cagaacaggg tccagacagc 780
cactgcattc ccagtttctg cagtgcacca gaggtaccat atgcctctct gacagacata 840
gagtacctgg tacagaatgt ctgcaagtcc ttccgagaga catgccagct gcgactggag 900
gaccttctac ggcagcgcac caacctcttt tcacgggagg aggtgaccag ctaccagagg 960
aagtcaatgt gggagatgtg ggagcgtgt gcccaccacc tcaactgaggc cattcagtat 1020
gtgggtggagt ttgccaagcg gctttcaggc ttcatggagc tctgccagaa tgaccagatc 1080
atactactga cagcaggagc aatggaagtc gtcctagtca gaatgtgcag ggcctacaat 1140
gccaaacaacc acacagtctt ttttgaaggc aaatacgggtg gtgtggagct gtttcgagcc 1200
ttgggctgca gcgagctcat cagctccata tttgactttt cccacttcct cagcgccctg 1260
tgtttttctg aggatgagat tgccctctac acggccctgg ttctcatcaa tgccaaccgt 1320
cctgggctcc aagagaagag gagagtggaa catctgcaat acaatttgga actggctttc 1380
catcatcatc tctgaagac tcacgcacaa ggccctcctag ccaagctgcc acccaaagga 1440
aaactccgga gctgtgcag ccaacatgtg gaaaagctgc agatcttcca gcacctccac 1500
cccacgtggg tccaagccgc cttcccncca ctctataagg aactcttcag cactgatgtt 1560
gaatcccctg aggggctgtc aaagtgatct ggaggaagga caactttcta tttccttcag 1620
```

```

ccctctgacc cgtctccctg gactcccttc acccagcctt tccctttctg cactctatga 1680
aggggtggat ccctaggagt aagcaaattc taagactgat tttctgcccc taggcttgcc 1740
ttgtaggaca acagcagcaa gtgatggaga aaaggcttgt tatgtttgat ttcccataag 1800
ttccaccctg gcttctggaa gctgtggggg agatgggata gagataggat gaccaagtca 1860
aataaaaaac agactgacaa tcagcagggg taaatccagg tacctgggat aaggagaact 1920
caaactctagg cttgaaagct aataacagtc ctttcaatac ctcattgtat ttcccatgg 1980
gtcctcctgg ggggacatgg atctagctca gagactggtg gcaagccccc agaaggacct 2040
gtatataata agaatataga ttctctg 2066

```

<210> 2

<211> 516

<212> PRT

<213> Mus musculus

<400> 2

```

Met Asp Arg Ala Pro Gln Arg His His Arg Thr Ser Arg Glu Leu Leu
 1          5          10          15
Ala Ala Lys Lys Thr His Thr Ser Gln Ile Glu Val Ile Pro Cys Lys
 20          25          30
Ile Cys Gly Asp Lys Ser Ser Gly Ile His Tyr Gly Val Ile Thr Cys
 35          40          45
Glu Gly Cys Lys Gly Phe Phe Arg Arg Ser Gln Gln Cys Asn Val Ala
 50          55          60
Tyr Ser Cys Thr Arg Gln Asn Cys Pro Ile Asp Arg Thr Ser Arg
 65          70          75          80
Asn Arg Cys Gln His Cys Arg Leu Gln Lys Cys Leu Ala Leu Gly Met
 85          90          95
Ser Arg Asp Ala Val Lys Phe Gly Arg Met Ser Lys Lys Gln Arg Asp
100          105          110
Ser Leu His Ala Glu Val Gln Lys Gln Leu Gln Gln Gln Gln Gln
115          120          125
Glu Gln Val Ala Lys Thr Pro Pro Ala Gly Ser Arg Gly Ala Asp Thr
130          135          140
Leu Thr Tyr Thr Leu Gly Leu Ser Asp Gly Gln Leu Pro Leu Gly Ala
145          150          155          160
Ser Pro Asp Leu Pro Glu Ala Ser Ala Cys Pro Pro Gly Leu Leu Arg
165          170          175
Ala Ser Gly Ser Gly Pro Pro Tyr Ser Asn Thr Leu Ala Lys Thr Glu
180          185          190
Val Gln Gly Ala Ser Cys His Leu Glu Tyr Ser Pro Glu Arg Gly Lys
195          200          205
Ala Glu Gly Arg Asp Ser Ile Tyr Ser Thr Asp Gly Gln Leu Thr Leu
210          215          220
Gly Arg Cys Gly Leu Arg Phe Glu Glu Thr Arg His Pro Glu Leu Gly
225          230          235          240
Glu Pro Glu Gln Gly Pro Asp Ser His Cys Ile Pro Ser Phe Cys Ser
245          250          255
Ala Pro Glu Val Pro Tyr Ala Ser Leu Thr Asp Ile Glu Tyr Leu Val
260          265          270
Gln Asn Val Cys Lys Ser Phe Arg Glu Thr Cys Gln Leu Arg Leu Glu
275          280          285
Asp Leu Leu Arg Gln Arg Thr Asn Leu Phe Ser Arg Glu Glu Val Thr
290          295          300
Ser Tyr Gln Arg Lys Ser Met Trp Glu Met Trp Glu Arg Cys Ala His
305          310          315          320
His Leu Thr Glu Ala Ile Gln Tyr Val Val Glu Phe Ala Lys Arg Leu
325          330          335
Ser Gly Phe Met Glu Leu Cys Gln Asn Asp Gln Ile Ile Leu Leu Thr
340          345          350
Ala Gly Ala Met Glu Val Val Leu Val Arg Met Cys Arg Ala Tyr Asn
355          360          365

```

Ala	Asn	Asn	His	Thr	Val	Phe	Phe	Glu	Gly	Lys	Tyr	Gly	Gly	Val	Glu
370						375					380				
Leu	Phe	Arg	Ala	Leu	Gly	Cys	Ser	Glu	Leu	Ile	Ser	Ser	Ile	Phe	Asp
385					390					395					400
Phe	Ser	His	Phe	Leu	Ser	Ala	Leu	Cys	Phe	Ser	Glu	Asp	Glu	Ile	Ala
			405						410					415	
Leu	Tyr	Thr	Ala	Leu	Val	Leu	Ile	Asn	Ala	Asn	Arg	Pro	Gly	Leu	Gln
			420					425					430		
Glu	Lys	Arg	Arg	Val	Glu	His	Leu	Gln	Tyr	Asn	Leu	Glu	Leu	Ala	Phe
		435					440				445				
His	His	His	Leu	Cys	Lys	Thr	His	Arg	Gln	Gly	Leu	Leu	Ala	Lys	Leu
	450				455						460				
Pro	Pro	Lys	Gly	Lys	Leu	Arg	Ser	Leu	Cys	Ser	Gln	His	Val	Glu	Lys
465					470				475						480
Leu	Gln	Ile	Phe	Gln	His	Leu	His	Pro	Ile	Val	Val	Gln	Ala	Ala	Phe
			485						490				495		
Pro	Pro	Leu	Tyr	Lys	Glu	Leu	Phe	Ser	Thr	Asp	Val	Glu	Ser	Pro	Glu
		500						505				510			
Gly	Leu	Ser	Lys												
			515												

<210> 3
 <211> 200
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Targeting vector

<400> 3
 cagggtccat cacaattata cagtggaggt tcggggactt tgggtggatgt agaaattctt 60
 gagaccagtg cacatgaatt ggaggtccct gggaccacct caaactccga gaggggtggga 120
 taagcagttt ctgtttccca gggcttcttc cgccgcagcc agcagtgtaa tgtggcctac 180
 tcctgcacgc gtcagcagaa 200

<210> 4
 <211> 200
 <212> DNA
 <213> Artificial Sequence

<220>
 <223> Targeting vector

<400> 4
 catacacttt agggctctca gatgggcagc taccactggg cgcctcacct gacctaccg 60
 aggctctgc ttgtccccct ggcctcctga gaggctcagg ctctggccca ccatattcca 120
 ataccttggc caaaacagag gtccaggggg cctcctgcc ccttgagtat agtccagaac 180
 gaggcaaagc tgaaggcaga 200